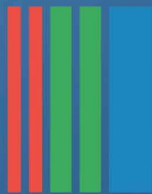




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LASER LAB SOURCE
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contact@LaserLabSource.com

800.887.5065

OEM switched mode power supply for diode-pumped laser

Information



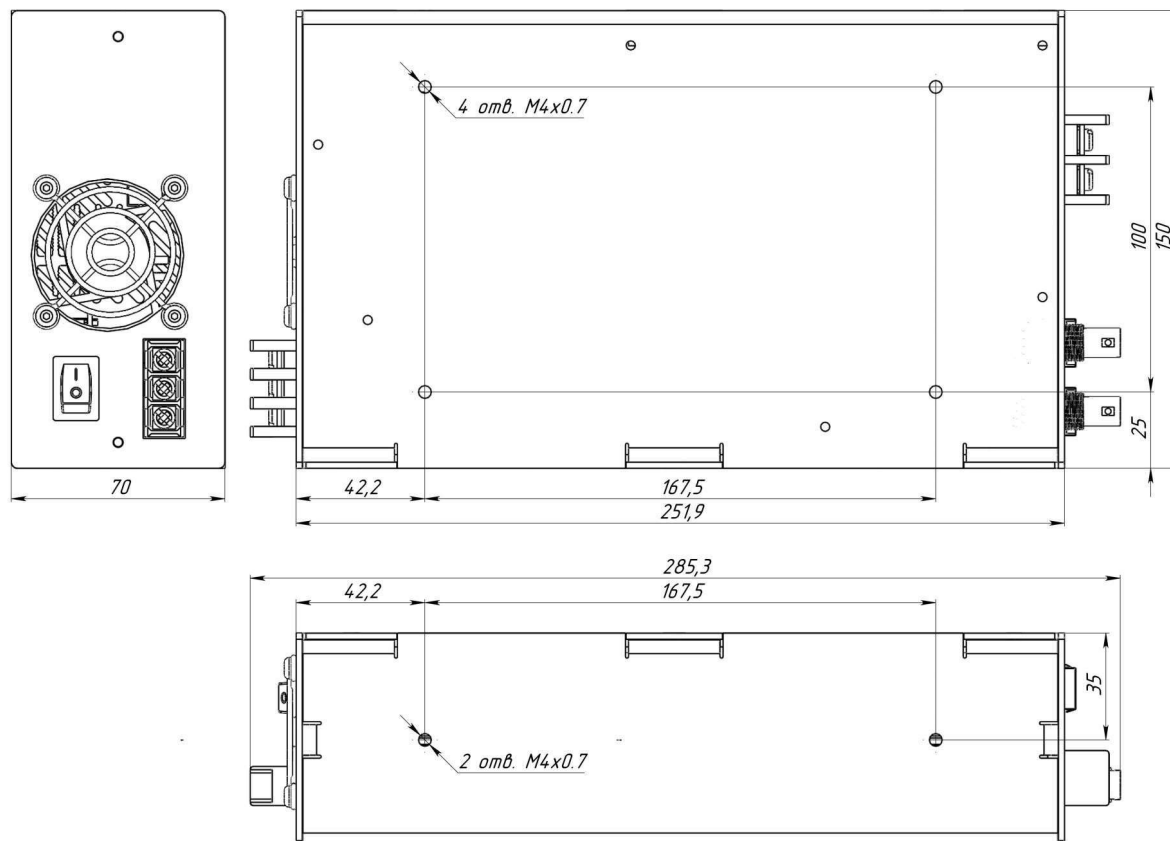
- Designed to power the diode arrays in high-power solid-state or fiber lasers.
- Optimized for laboratory, educational, experimental and industrial applications.
- It has current limit, duty cycle limit and safety interlocks.
- It can be modified by a customer's request for the optimal selection of parameters for a specific load.

Specifications

Parameter Type	SF305M
Pulse rate* (F)	1 — 100 Hz, single pulse
Accuracy of the pulse rate	0.1 Hz
Output voltage* (V)	0-360 V
Accuracy of the output voltage	0.1 V
Output current* (I)	1-50 A
Accuracy of the output current	0.1 A
Pulse duration* (τ)	50-250 μ s
Accuracy of the pulse duration	1 μ s
Rise time	<50 μ s
Fall time	<25 μ s
Output current tolerance	0,3 %
Average output power* (P)	500 W
Communication interface	RS485
Trigger in	5 V, 10 μ s
Trigger out	5 V, 10 μ s
Output sync pulse dwell time	1-350 μ s
Power Input	single phase 220 VAC, 50Hz
Type of cooling	air cooling
Dimensions	250x175x70mm; 1U
Weight	<1kg

* Values are limited by average power: $F \cdot V \cdot I \cdot \tau \leq P$

Dimensions



Examples of laser diode arrays



FL-AA05-3X10-6000-808
 FL-GS02-25X1-3750-808
 FL-GS04-5X1-750-808
 FL-GS05-5X1-1250-808
 FL-VS120-Nx1-500xN-808(Q)
 FL-HCS02-250-808(Q)



СЛМ-2 / СЛМ-2-1Н / СЛМ-3
 СЛМ-3-3600-1 / СЛМ-П-0.5Н-3
 СЛМ-П-2НШ
 ИЛД-8 / ИЛ-1М
 ЛЛДии-70-940-1



АТС-Q120-11 / АТС-Q200-11
 АТС-Q250-11 / АТС-Q5000-10x20
 АТС-Q2500-5x20